

In the Claims:

Please cancel claim 43 without prejudice or disclaimer, add claim 51, and substitute the following amended claims for claims 22 and 44-46. The changes are shown explicitly in the attached "Marked Up Version Showing Changes Made."

22. (Amended Twice) An orthodontic method to increase tooth movement in a subject in need thereof, comprising:

administering continuously an amount of

(A) parathyroid hormone or

(B) a parathyroid hormone derivative that has the same biological effect as full length parathyroid hormone and is selected from the group consisting of:

(i) a peptide fragment of parathyroid hormone;

(ii) parathyroid hormone substituted at least one amino acid at positions 8, 18 or 34;

and

(iii) a peptide fragment of parathyroid hormone substituted at least one amino acid at positions 8, 18 or 34,

wherein the administered parathyroid hormone or parathyroid hormone derivative results in an increase in tooth movement in said subject.

44. (Amended Once) The method of claim 22 wherein said parathyroid hormone derivative is substituted parathyroid hormone from the group consisting of parathyroid hormone substituted at amino acid 8 with leucine or norleucine, parathyroid hormone substituted at amino acid 18 with leucine or norleucine, parathyroid hormone substituted at amino acid 34 with tyrosine.

45. (Amended Once) The method of claim 22 wherein said parathyroid hormone derivative is a peptide fragment from the group consisting of human parathyroid hormone (1-34), (1-37), (1-38), and (1-64).

46. (Amended Once) The method of claim 45 wherein said peptide fragment is a substituted is a substituted peptide fragment from the group consisting of a peptide fragment

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substituted at amino acid 8 with leucine or norleucine, a peptide fragment substituted at amino acid 18 with leucine or norleucine, a peptide fragment substituted at amino acid 34 with tyrosine.

54

51. (New) The method according to claim 22 wherein the parathyroid hormone is administered locally.
